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HIV COFACTOR INHIBITOR**Publication number:** JP11292795**Publication date:** 1999-10-26**Inventor:** TAKAKU HIROSHI; YAMAMOTO NAOKI; KIMURA TORU; TAKAI KAZUYUKI; WADA AKIRA**Applicant:** YAMANOUCI PHARMA CO LTD**Classification:****- international:** C12N15/11; C12N15/49; A61K38/00; C12N15/11; C12N15/40; A61K38/00; (IPC1-7): A61K48/00; A61K31/70; C12N15/09**- european:** C12N15/11B7**Application number:** JP19980125452 19980402**Priority number(s):** JP19980125452 19980402**Also published as:** WO9951751 (A1)**Report a data error here****Abstract of JP11292795**

PROBLEM TO BE SOLVED: To obtain the subject inhibitor useful as an anti-human immunodeficiency virus (anti-HIV) agent for prophylaxis and treatment of infection with the HIV by including an oli-gonucleotide containing a base sequence complementary to the base sequence of CXCR4 gene or CCR5 gene.

SOLUTION: This inhibitor is obtained by including an oligonucleotide containing a base sequence complimentary to the base sequence of CXCR4 gene or a CCR5 gene and preferably further a liposome stable in blood. The oligonucleotide has a preferably base sequence represented by the sequences of formulae I, II, etc., and at least one internucleotide bond of the oligonucleotide is preferably a phosphorothioate type bond. The liposome is preferably a film-fusion type comprising a complex of a lipid-based polymer or an amino acid-based polymer and a virus envelope protein or its fragment.

GATAATGGAT CTTGTTCCCA

I

GATTGGACTT GACACTTGTA

II

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